AMENDMENTS TO THE SPECIFICATION:

Please change the title to:

A METHOD FOR A PREDICTING A PATTERN SHAPE BY USING AN ACTUAL MEASURED DISSOLUTION RATE OF A PHOTOSENSITIVE RESIST.

Please replace the paragraph beginning at page 17, line 25, with the following paragraph:

G(x,y)

$$=\iint dx'dy'I(x,y)\exp[-\{(x-x')^2+(y-y')^2\}/k^2] \qquad (6)$$

Please replace the paragraph beginning at page 49, line 11, with the following paragraph:

H(x,y)

$$=\iint dx'dy'I(x,y)f(a)\exp[-\{(x-x')^2+(y-y')^2\}/k^2] \qquad (12)$$

Please replace the paragraph beginning at page 56, line 1, with the following paragraph:

H(α,β)

$$=\iint dx'dy'I(\alpha,\beta)f(a)\exp[-\{(\alpha-x')^2+(\beta-y')^2\}/k^2] \qquad (14)$$

Please replace the paragraph beginning at page 59, line 21, with the following paragraph:

G(α, β)

$$=\iint dx'dy'\ I(\alpha,\beta)\ \exp\ [-\{(\alpha-x')^2+(\beta-y')^2\}/k^2] \qquad (16)$$